



FEMA



Prepared by
Cindy Elsenheimer

FEMA Region 6 Weather Threat Briefing

Saturday October 30, 2021

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.



NWSSouthern

www.weather.gov/srh



- **No significant weather expected through early next week.**
- **The next system may bring heavy rain/strong storms to OK/TX/AR late Tuesday into Wednesday.**
 - **Will also usher in much colder temperatures into the Region by the end of the week.**

FEMA Region 6 Threat Matrix

Oct 30, 2021 - Nov 3, 2021



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DAY / THREAT	Sat	Sun	Mon	Tue	Wed
Severe Storms					
Heavy Rain / Flash Flooding				OK	OK, NTX, AR
Fire Weather					
Tropical Winds / Surge					
Winter Weather					
River Flooding					

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

For more details on the colors in the threat matrix refer to the last slide in this briefing.

Tropical Weather Outlook – Atlantic/Gulf



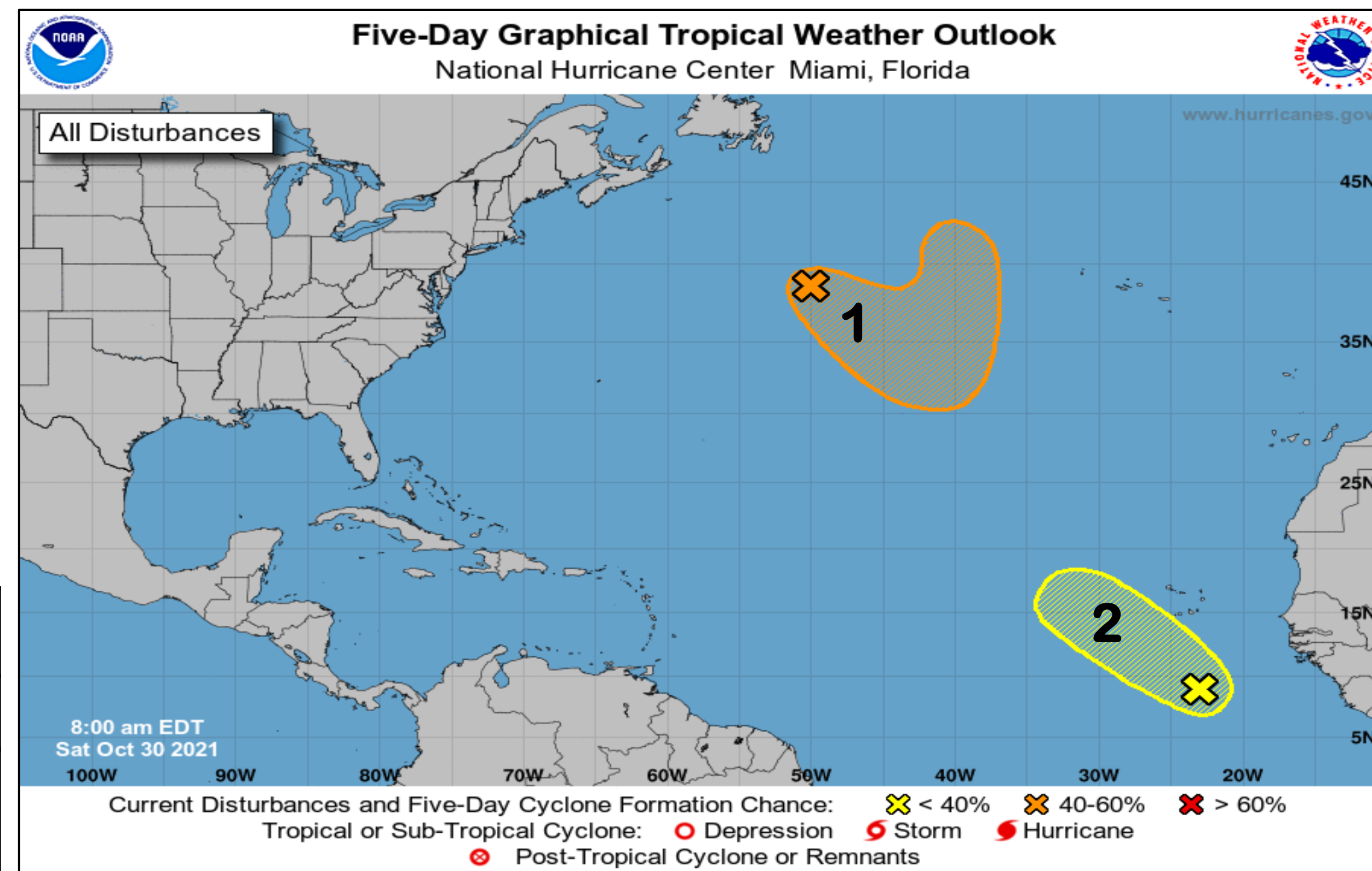
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Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	Medium	None.
2	Low	None.

Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
-	



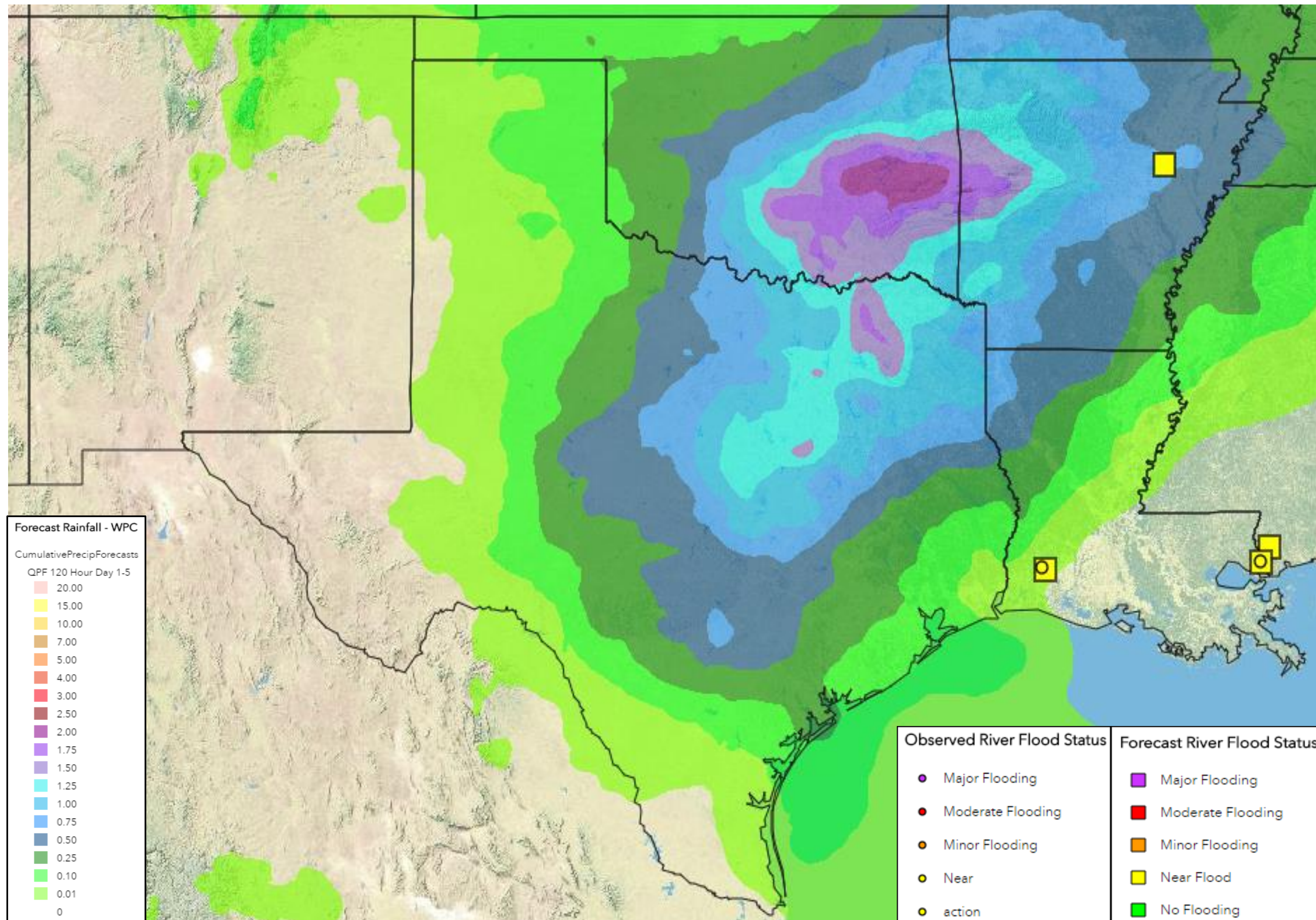
5-Day Precipitation Forecast & River Flood Status



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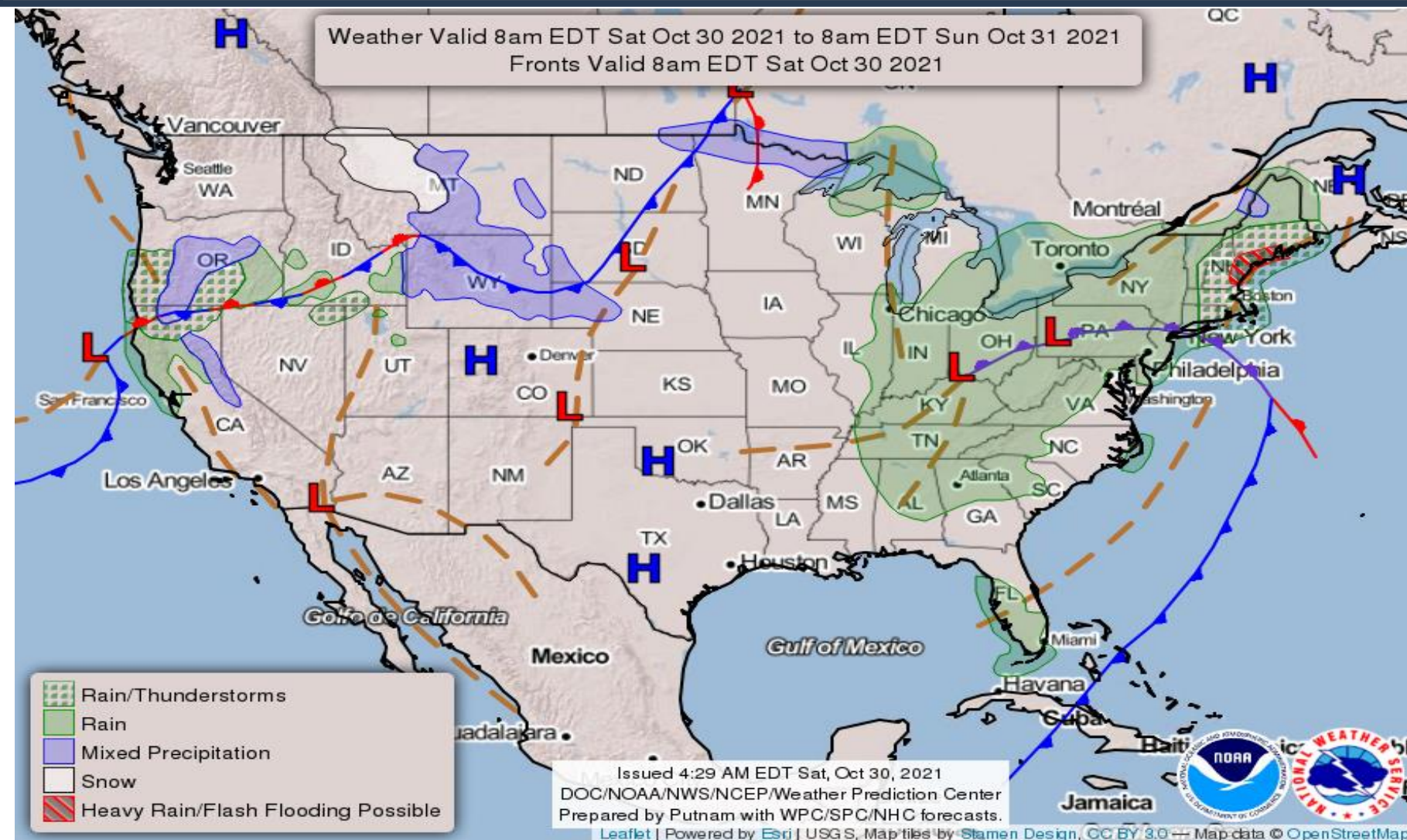
Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall

No river flooding is occurring or expected through early next week.

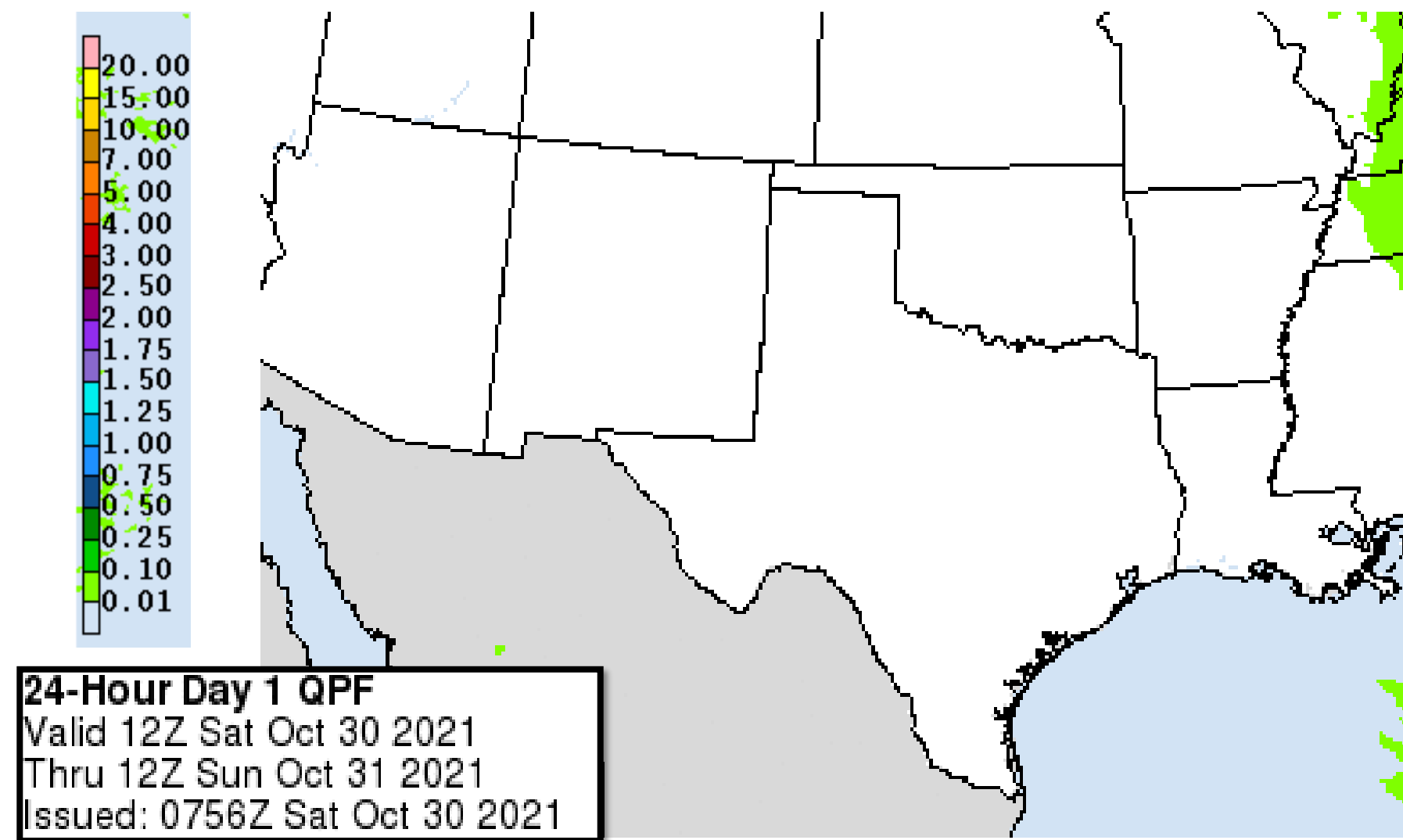


Today's Weather

Forecast Chart



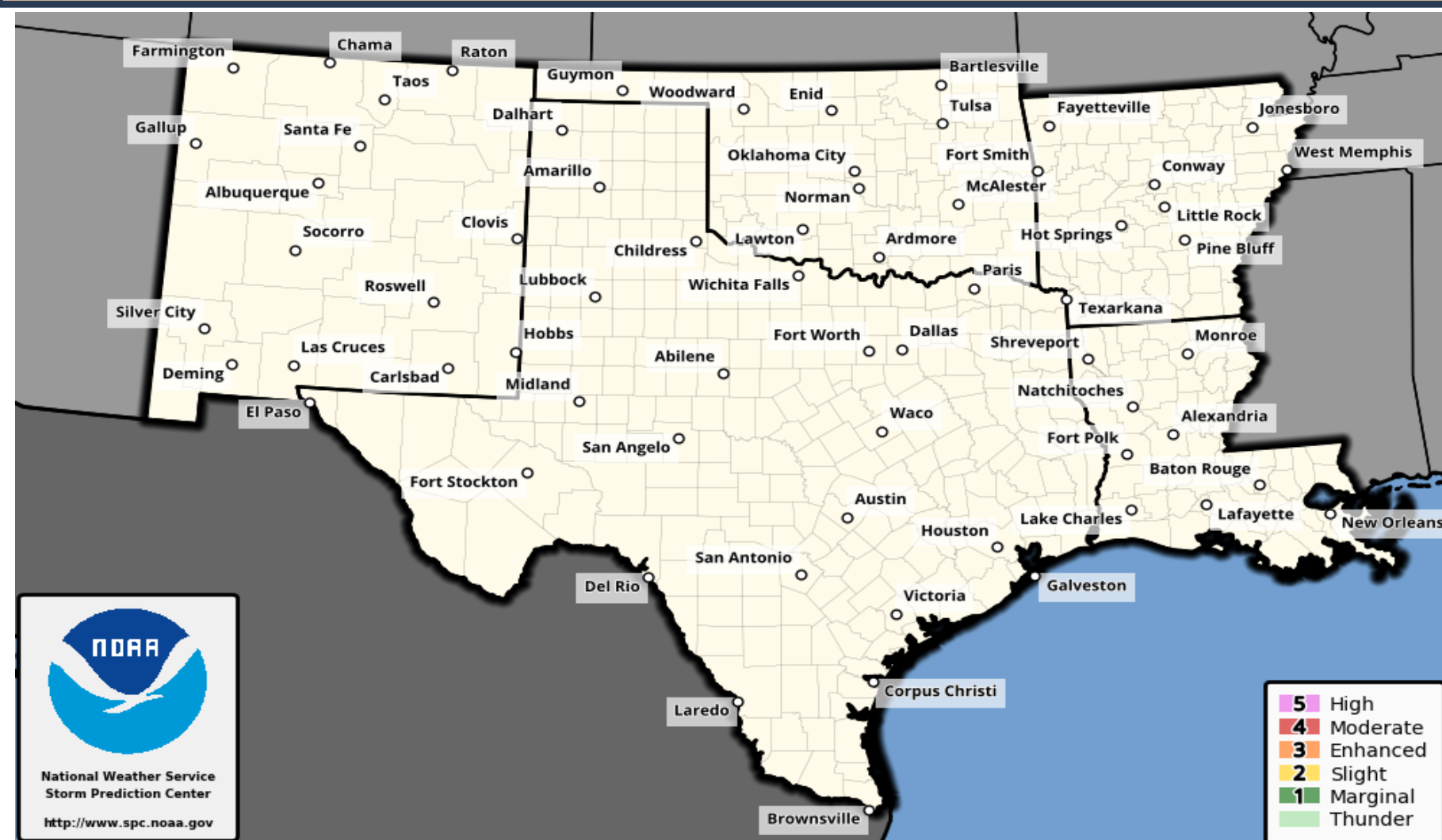
Forecast Rainfall



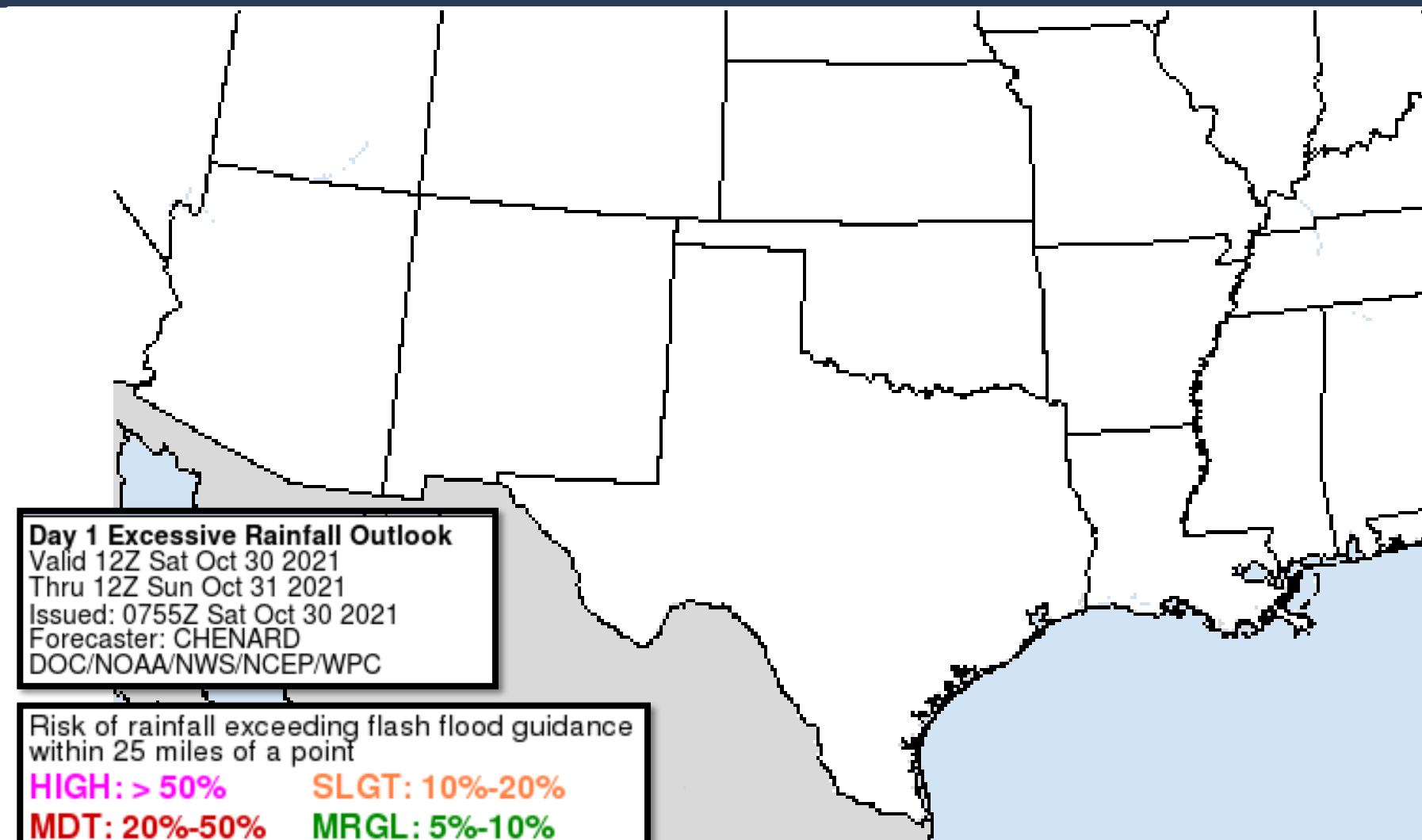
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**No significant weather
expected.**

Severe Weather Outlook



Excessive Rainfall Outlook

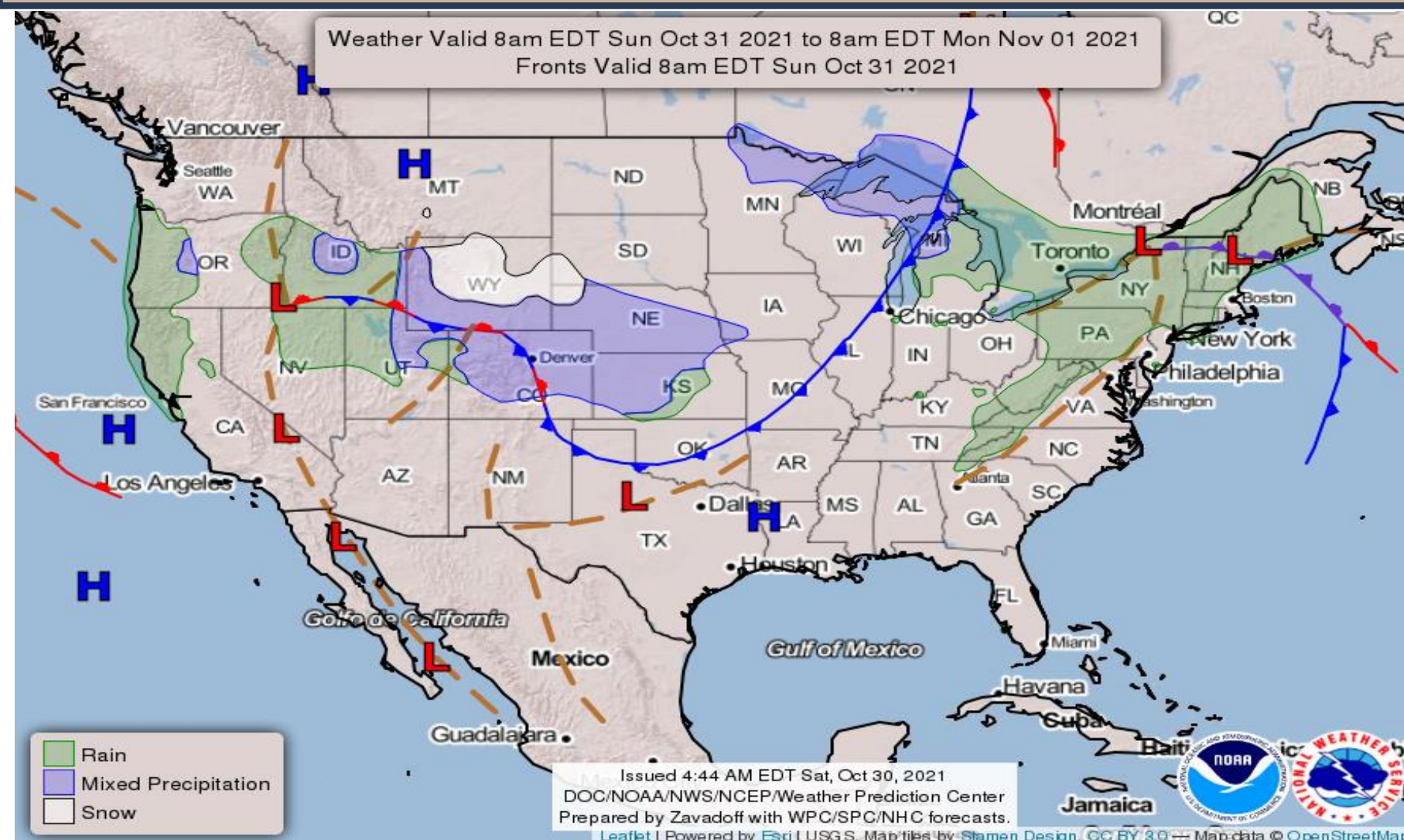


Tomorrow's Weather

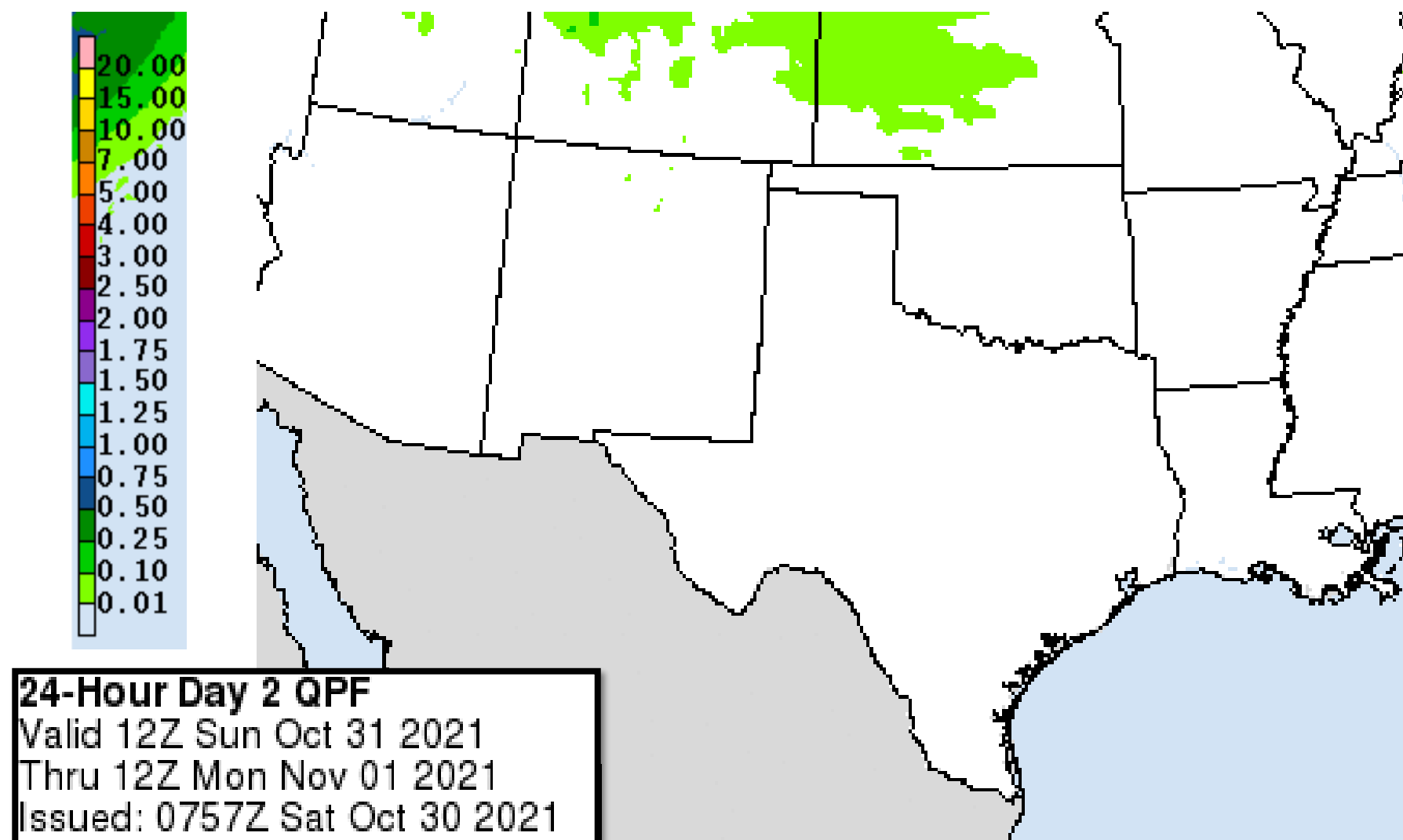


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Forecast Chart

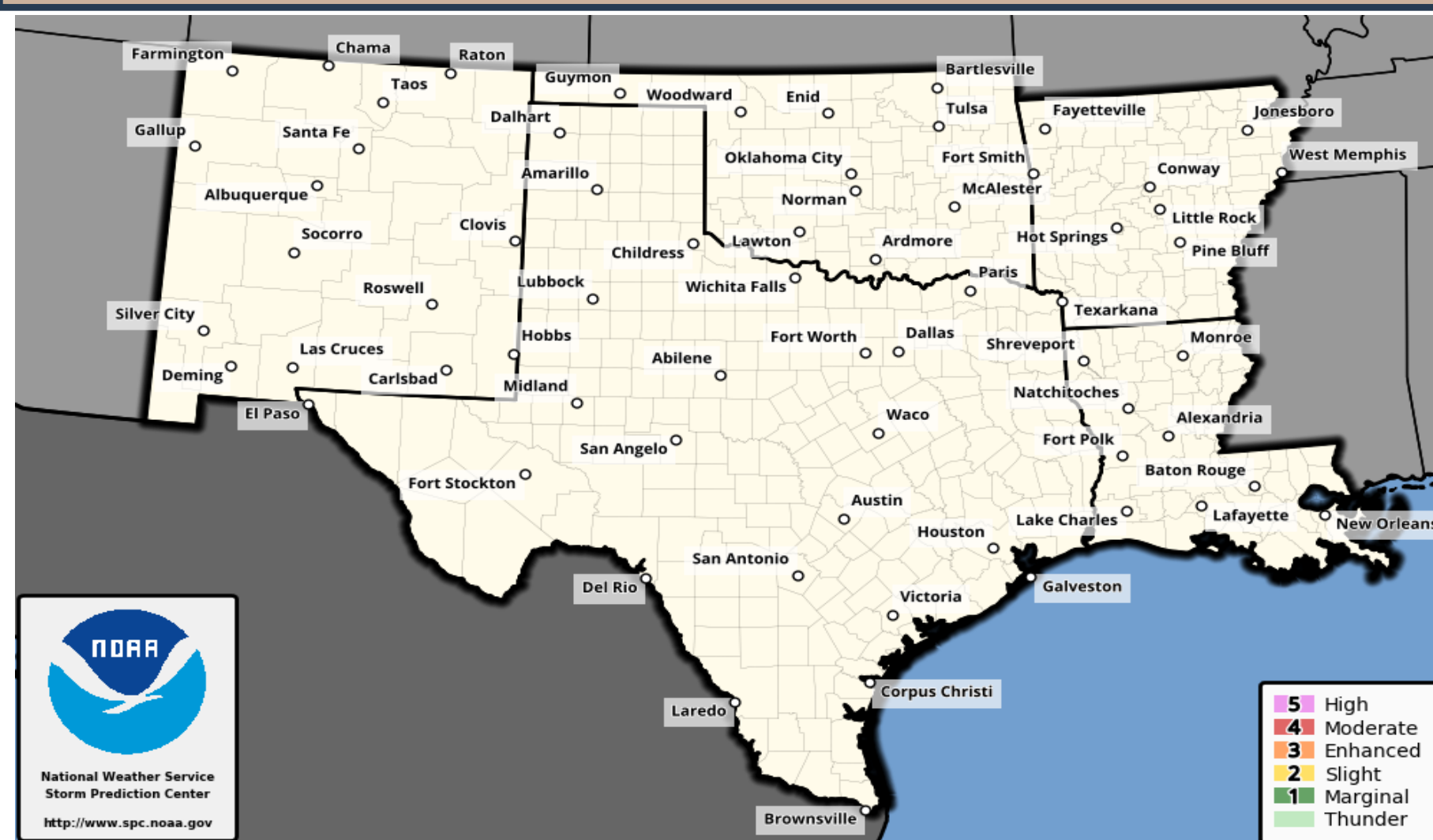


Forecast Rainfall

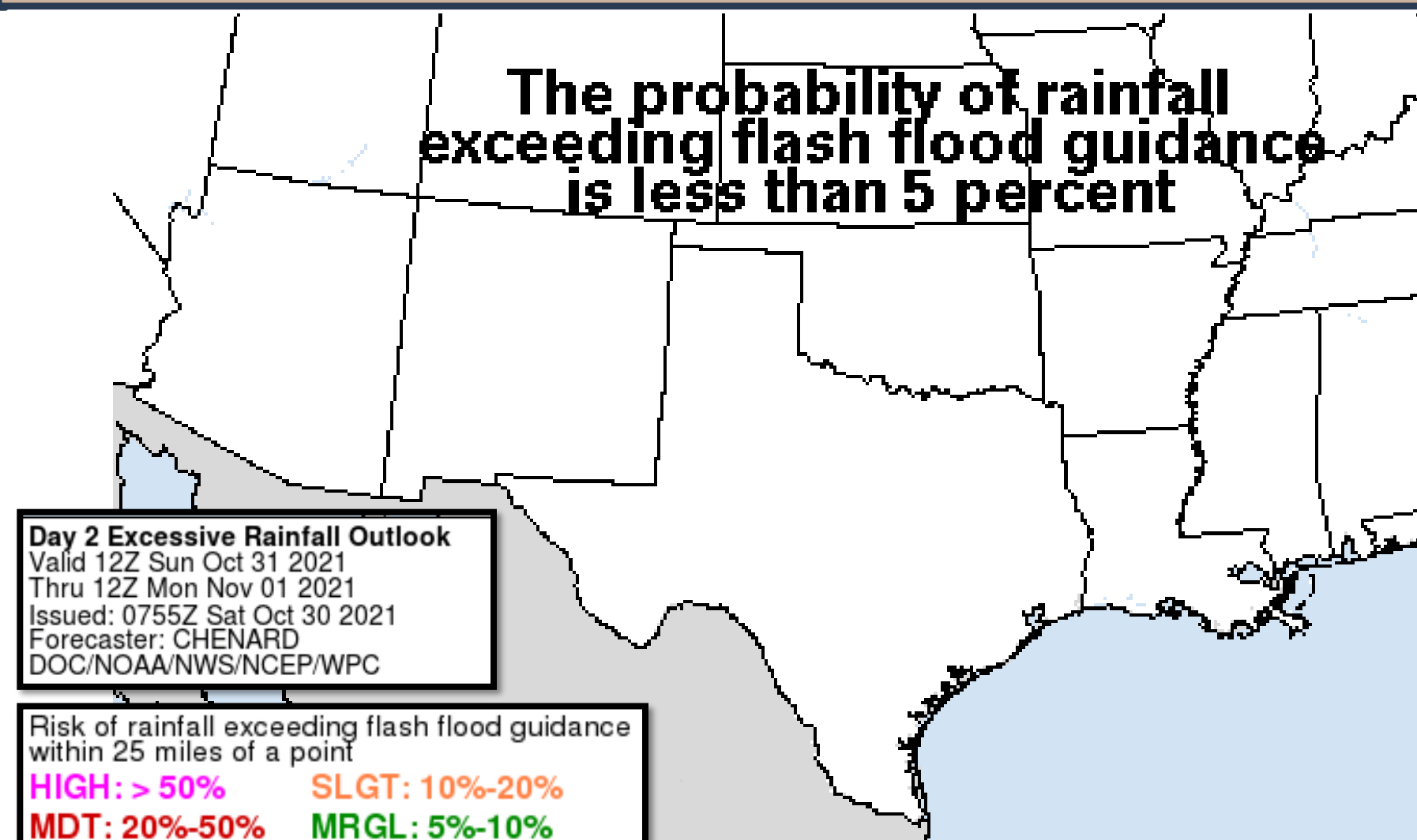


No significant weather
expected.

Severe Weather Outlook

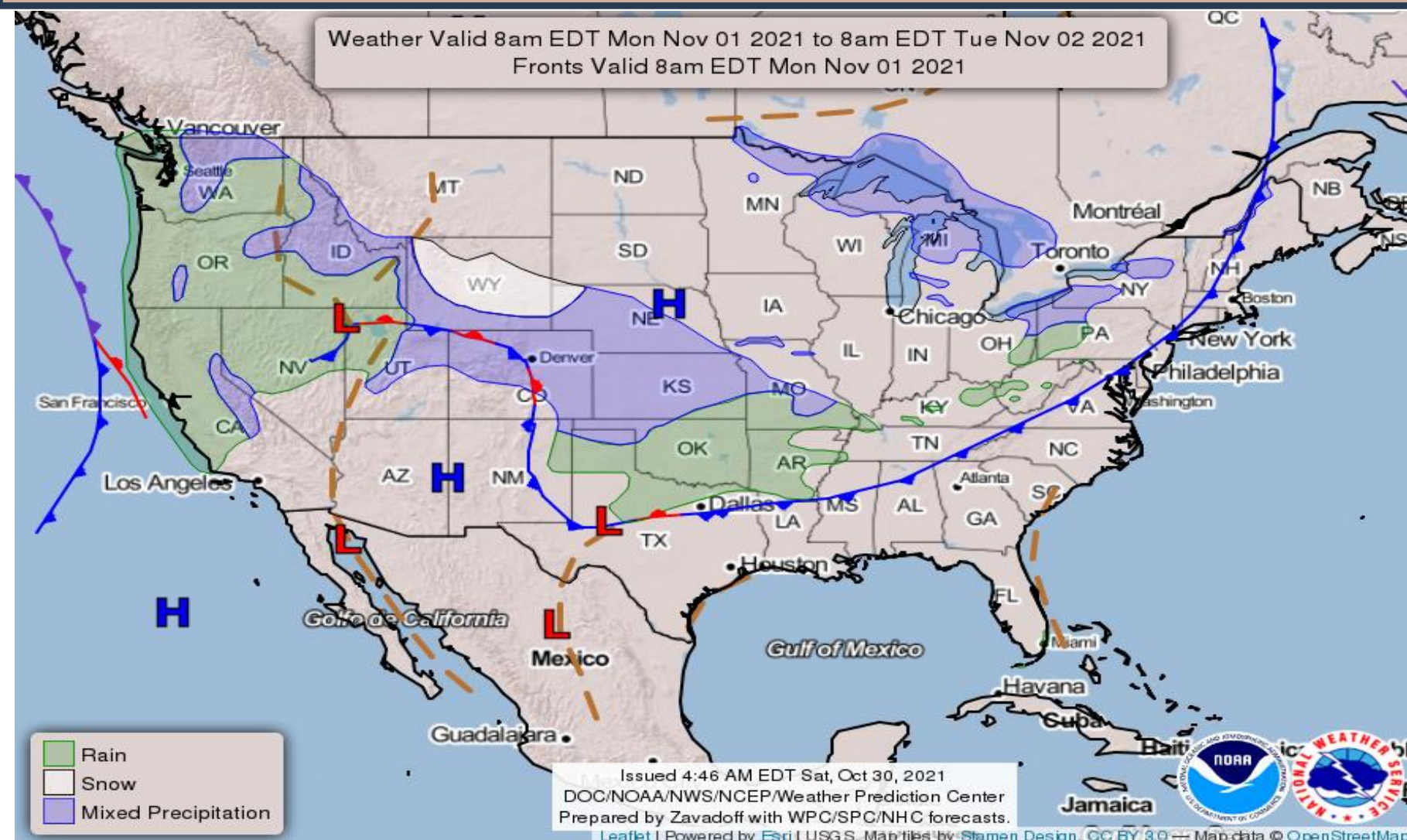


Excessive Rainfall Outlook

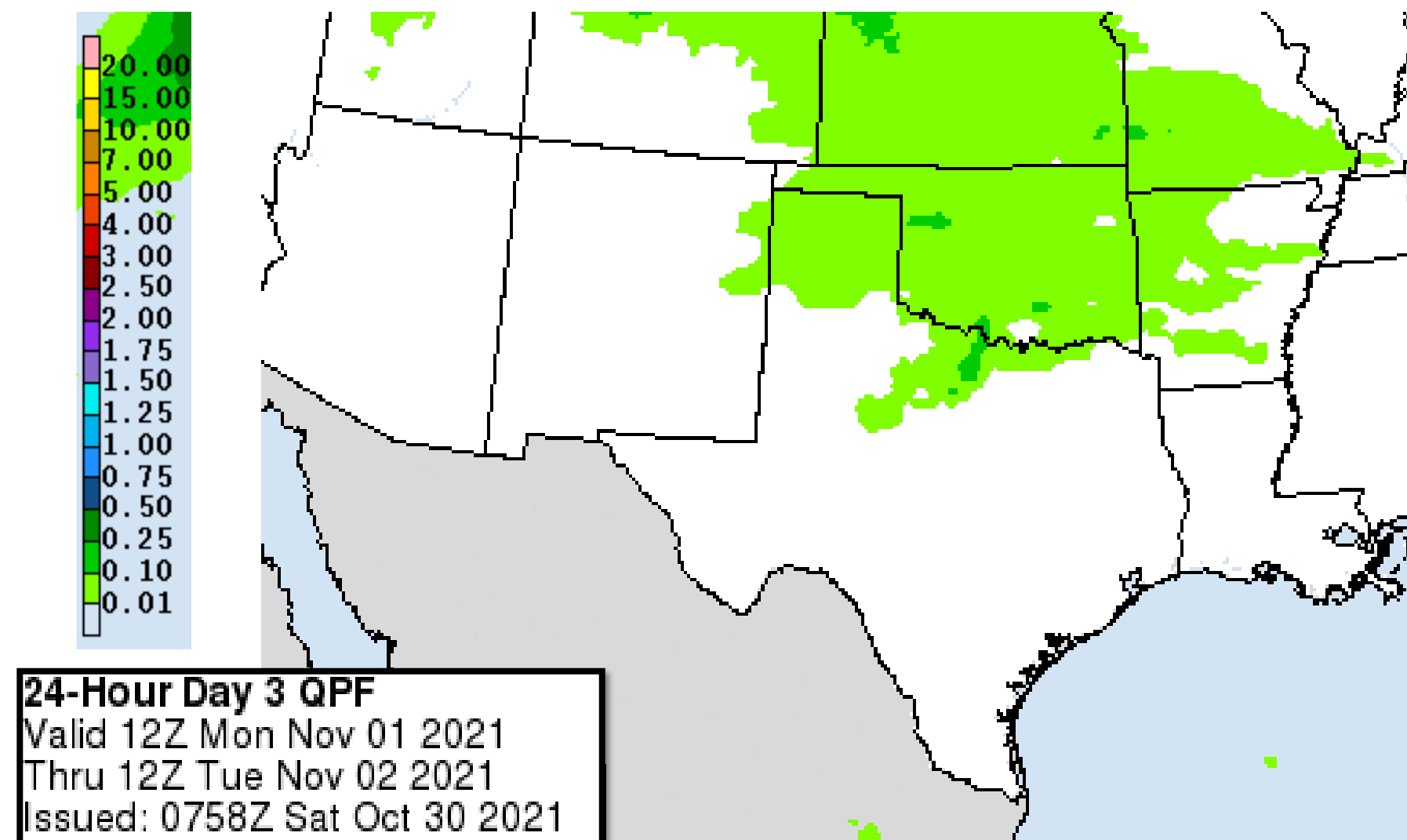


Monday's Weather

Forecast Chart



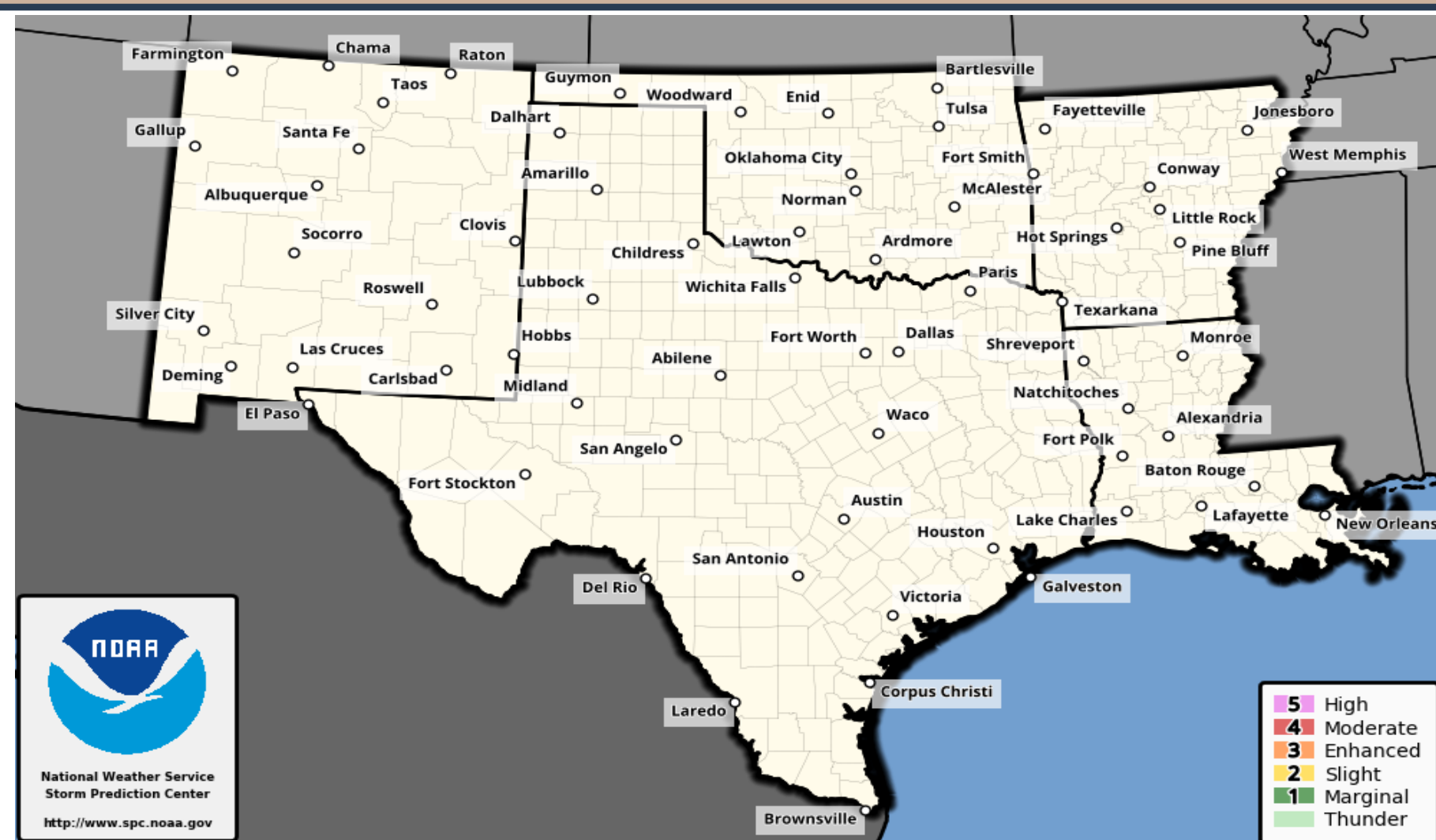
Forecast Rainfall



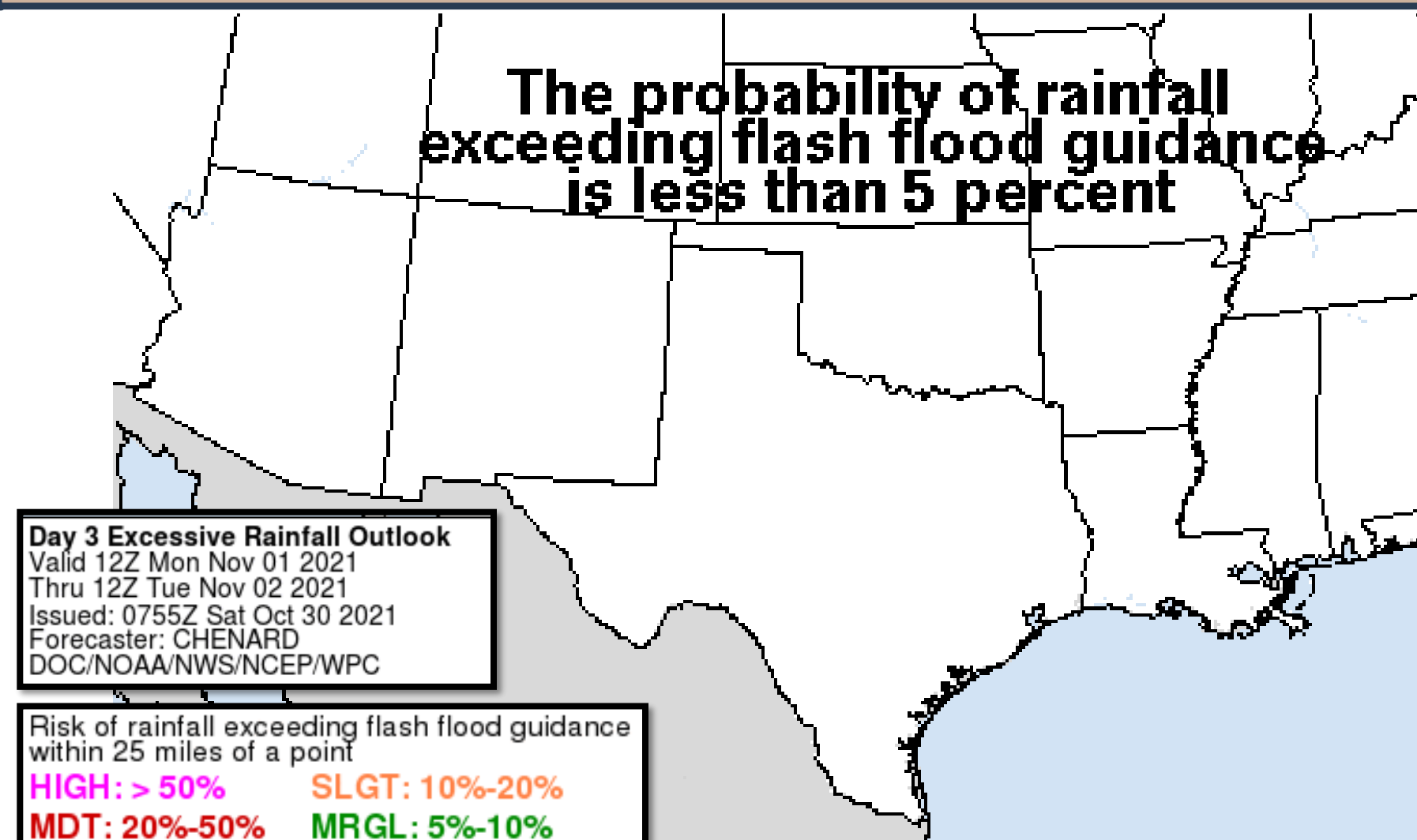
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No significant weather
expected.

Severe Weather Outlook



Excessive Rainfall Outlook



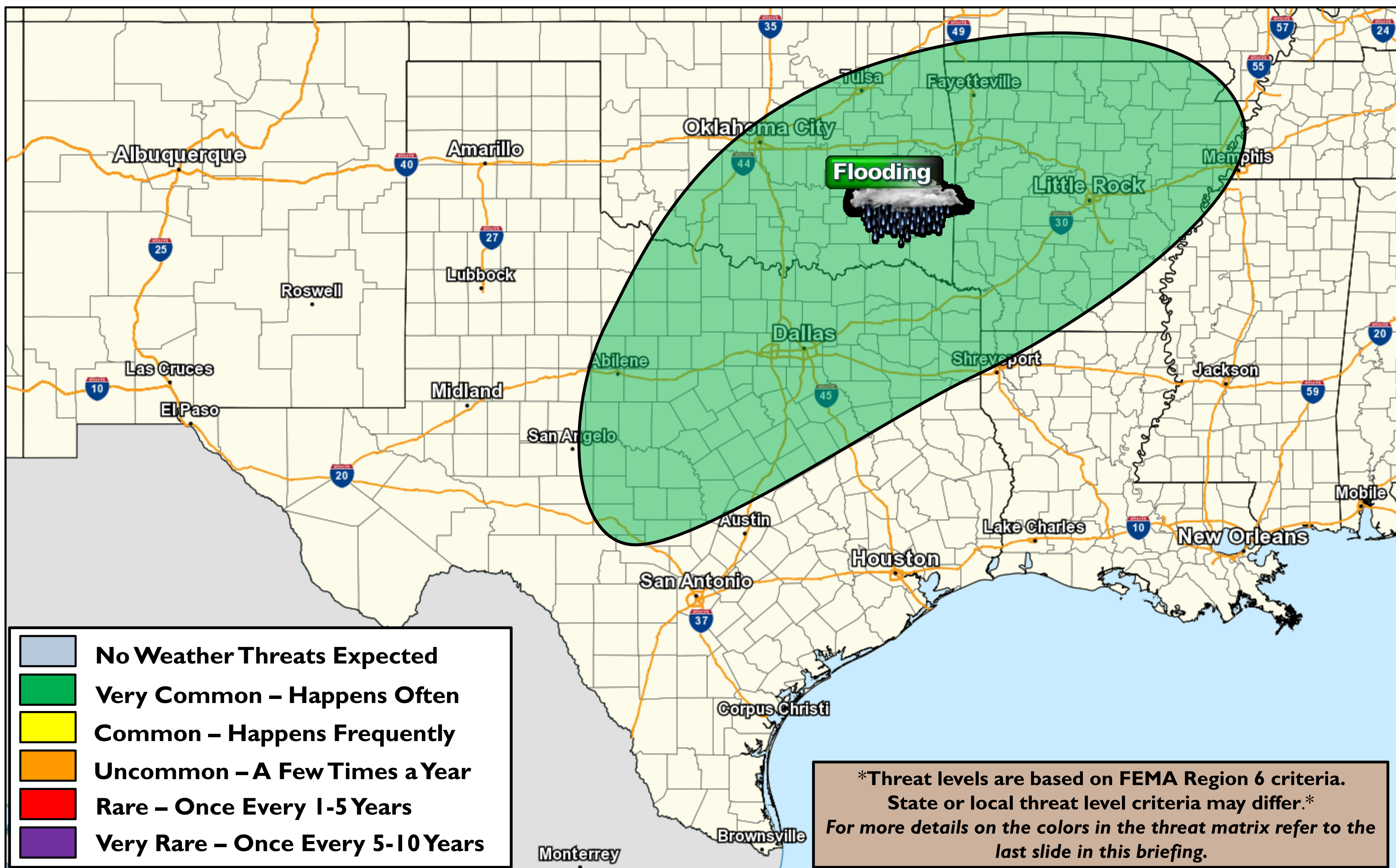
Days 4-5 Weather Hazards

Tuesday - Wednesday



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Next system could produce
isolated heavy rain late
Tuesday into Wednesday.

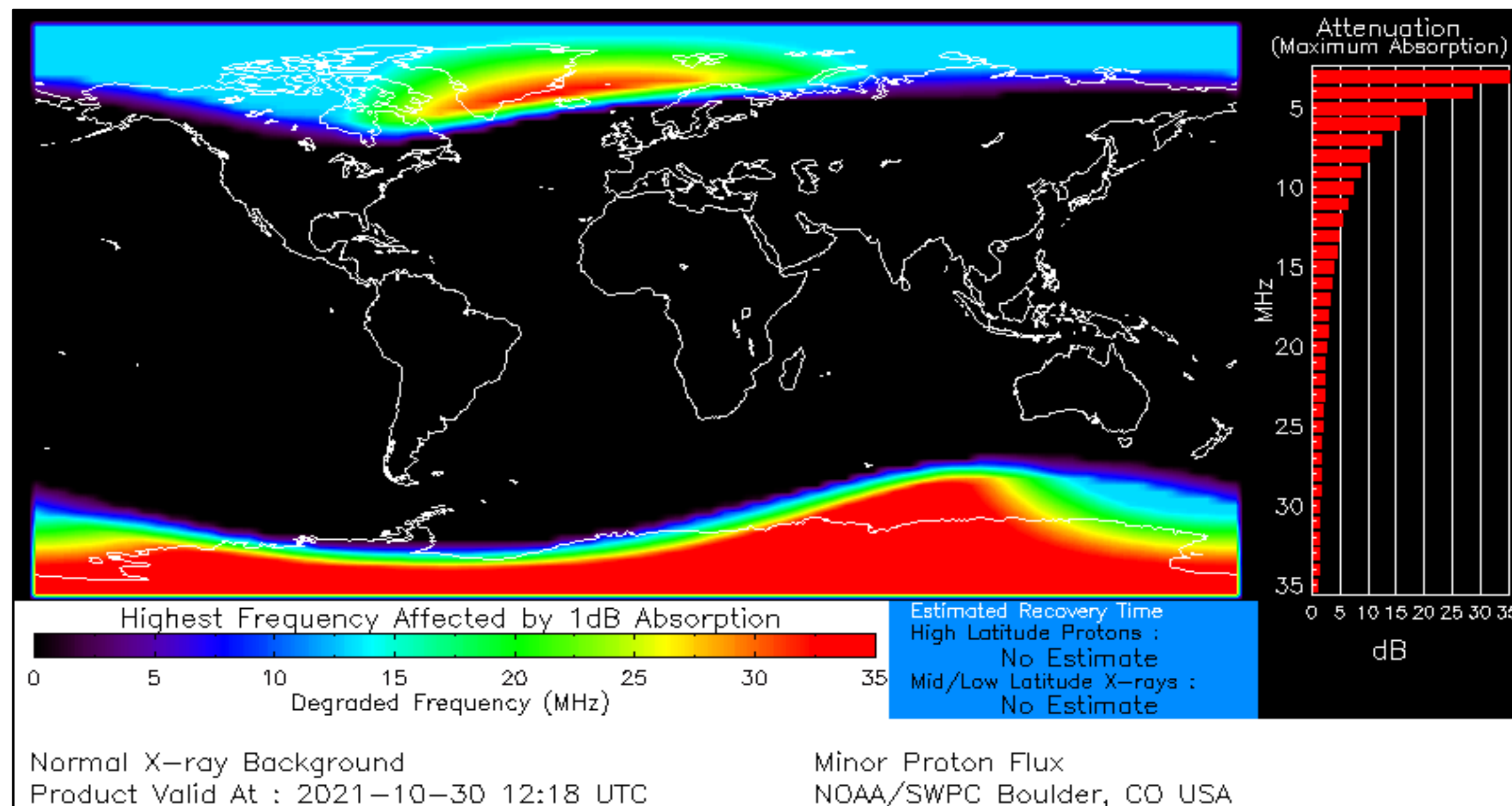


Space Weather 3-Day Forecast



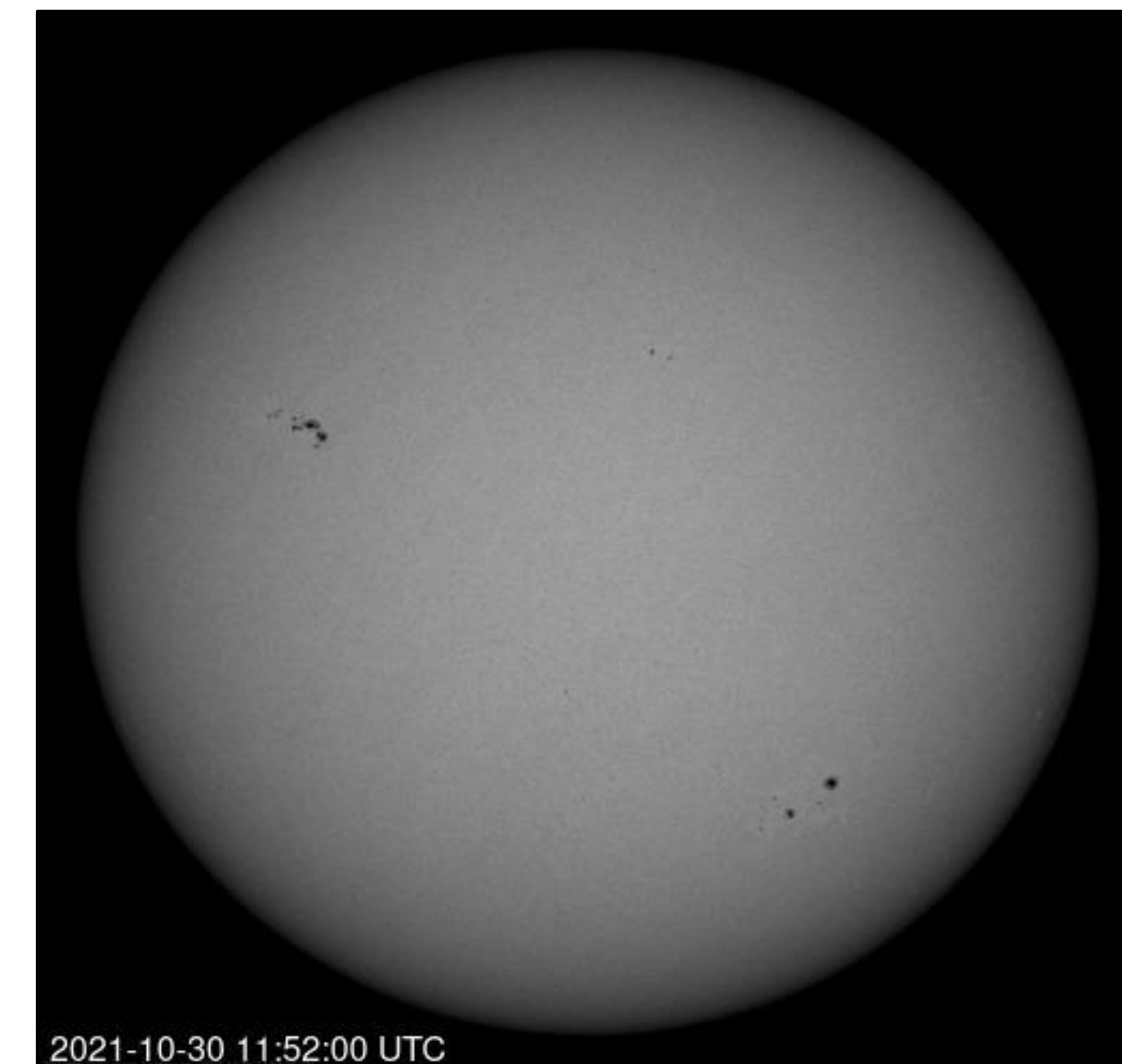
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	Saturday	Sunday	Monday
Geomagnetic Storms	Strong (G3) Storm (Max Kp = 7)	Moderate (G2) Storm (Max Kp = 6)	Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	99%	30%	30%
Radio Blackout (R1-R2)	75%	75%	75%
Radio Blackout (R3-R5)	30%	30%	30%



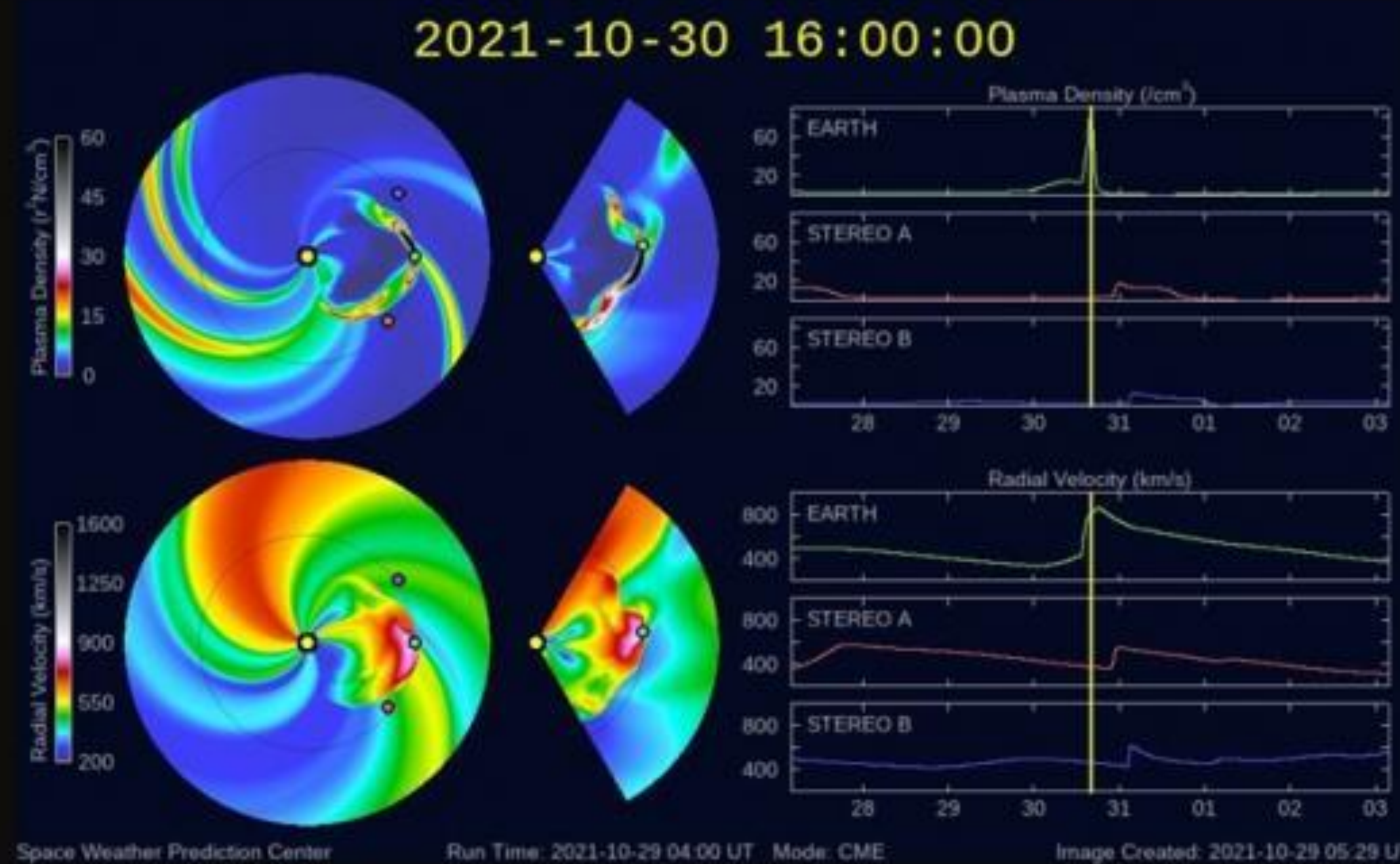
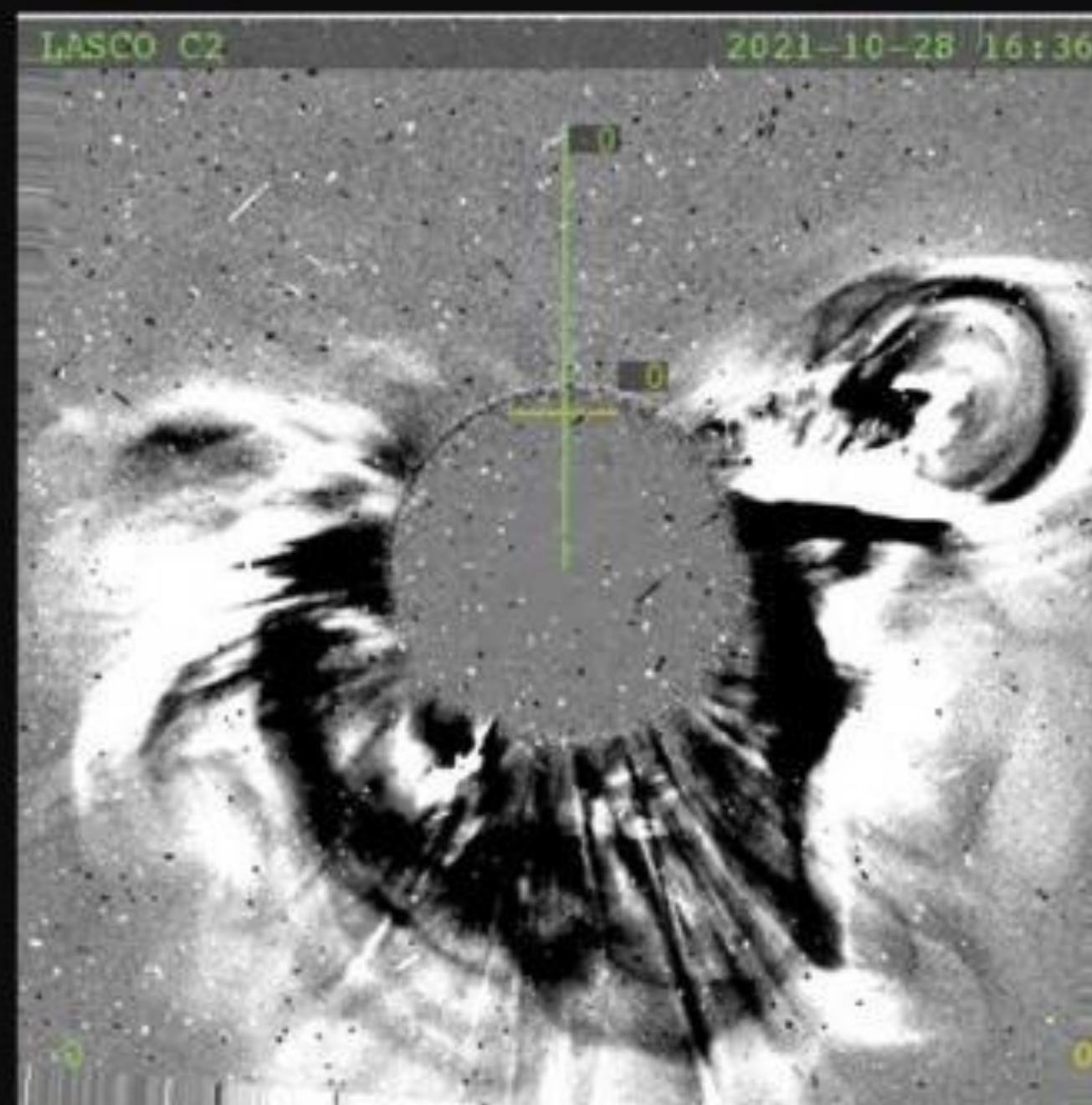
[Click here for a
Description of the Space
Weather Storm Scales](#)

[Click here for the Latest
3-Day Space Weather
Forecast Text](#)



STRONG Geomagnetic Storm WATCH 30-31 October, 2021 UTC-days

G3



Visit <https://swpc.noaa.gov> for continuing updates and forecasts.

A G3 (Strong) Geomagnetic Storm Watch is in effect for 30 – 31 October, 2021, following a significant solar flare and Coronal Mass Ejection (CME) from the sun that occurred around 11:35 a.m. EDT on Oct. 28. Analysis indicated the CME departed the Sun at a speed of 973 km/s and is forecast to arrive at Earth on 30 October, with effects likely continuing into 31 October.

When the CME approaches Earth, NOAA's DSCOVR satellite will be among the first spacecraft to detect the real time solar wind changes and SWPC forecasters will issue any appropriate warnings.

Impacts to our technology from a G3 storm are generally nominal. However, a G3 storm has the potential to drive the aurora further away from its normal polar residence and if other factors come together, the aurora might be seen over the far Northeast, to the upper Midwest, and over the state of Washington.



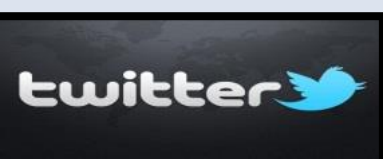
For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov